



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/814,634

Source: IFNO-

Date Processed by STIC: 4/8/07

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER

10/814,634

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

- 11 Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 00/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

- 13 Misuse of n/Xaa "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFWO

RAW SEQUENCE LISTING

DATE: 04/08/2004

PATENT APPLICATION: US/10/814,634

TIME: 10:04:11

Input Set : A:\SEQLIST FINAL.TXT

Output Set: N:\CRF4\04082004\J814634.raw

4 <110> APPLICANT: CHENEVAL, Dominique
 5 KASTELIC, Tania
 6 Novation Pharmaceuticals Inc.
 8 <120> TITLE OF INVENTION: Assay for identifying Compounds Which
 9 Affect Stability of mRNA
 12 <130> FILE REFERENCE: 793-104CIP
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/814,634
 C--> 14 <141> CURRENT FILING DATE: 2004-04-01
 14 <150> PRIOR APPLICATION NUMBER: 09/869,159
 15 <151> PRIOR FILING DATE: 1999-12-23
 17 <160> NUMBER OF SEQ ID NOS: 30
 19 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 1105
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Homo Sapiens
 26 <400> SEQUENCE: 1
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 28 tgtccattta tagaataatg tggaagaaa caaaccggtt ttatgattta ctcatatcg 120
 29 ccttttgaca gctgtgctgt aacacaagta gatgcctgaa cttgaattaa tccacacatc 180
 30 agtaatgtat tctatctctc tttacatttt ggtctctata ctacattatt aatgggtttt 240
 31 gtgtactgta aagaatttag ctgtatcaaa ctagtgcatt aatagattct ctctgatta 300
 32 tttatcacat agccccttag ccagttgtat attattcttg tggtttgtga cccaattaag 360
 33 tctacttta catatgcttt aagaatcgat gggggatgct tcatgtgaac gtgggagttc 420
 34 agctgcttct cttgcctaag tattcctttc ctgatcacta tgcattttta agttaaacat 480
 35 ttttaagtat ttcagatgct ttagagagat ttttttttcc atgactgcat tttactgtac 540
 36 agattgctgc ttctgtata tttgtgatat aggaattaag aggatacaca cgtttgtttc 600
 37 ttcgtgcctg ttttatgtgc acacattagg cattgagact tcaagctttt ctttttttgt 660
 38 ccacgtatct ttgggtcttt gataaagaaa agaatccctg ttcattgtaa gcacttttac 720
 39 gggggcggtg gggaggggtg ctctgctggt cttcaattac caagaattct ccaaaacaat 780
 40 tttctgcagg atgattgtac agaatcattg cttatgacat gatcgctttc tacactgtat 840
 41 tacataaata aattaaataa aataaccccg ggcaagactt ttctttgaag gatgactaca 900
 42 gacattaaat aatcgaagta attttgggtg gggagaagag gcagattcaa ttttctttaa 960
 43 ccagtctgaa gtttcattta tgatacaaaa gaagatgaaa atggaagtgg caatataagg 1020
 44 ggatgaggaa ggcatgcctg gacaaacctt tcttttaaga tgtgtcttca atttgtataa 1080
 45 aatgggtgtt tcattgtagc gccgc 1105
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 48 <211> LENGTH: 904
 49 <212> TYPE: DNA
 50 <213> ORGANISM: Homo Sapiens
 52 <400> SEQUENCE: 2
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 54 tagaataat atgcattgtc agtgatgtac catgaaacaa agctgcaggc tgtttaagaa 120

Does Not Comply
Corrected Diskette Needed

(pg. 4-5)

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Input Set : A:\SEQLIST FINAL.TXT

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55 aaaataaacac acatataaac atcacacaca cagacagaca cacacacaca caacaattaa 180
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57 ttacattat taagaaaaaa agatttattt atttaagaca gtcccatcaa aactcctgtc 300
58 ttggaaatc cgaccactaa ttgccaagca ccgttcgtg tggctccacc tggatgttct 360
59 gtgcctgtaa acatagattc gctttccatg ttgttgccg gatcaccatc tgaagagcag 420
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61 gagaagggtg tcattcactt gcatttcttt gccctggggg ctgtgatatt aacagaggga 540
62 gggttcctgt ggggggaagt ccatgcctcc ctggcctgaa gaagagactc tttgcatatg 600
63 actcacatga tgcataacct gtgggaggaa aagagttggg aacttcagat ggacctagta 660
64 cccactgaga ttccacgcc gaaggacagc gatgggaaaa atgcccttaa atcataggaa 720
65 agtatttttt taagctacca attgtgccga gaaaagcatt ttagcaattt atacaatatc 780
66 atccagtacc ttaagccctg attgtgtata ttcatatatt ttggatacgc accccccaac 840
67 tccaataact ggctctgtct gagtaagaaa cagaatcctc tggaacttga ggaagtgcgg 900
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71 <211> LENGTH: 710
72 <212> TYPE: DNA
73 <213> ORGANISM: Homo Sapiens
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78 aaaataaacac acatataaac atcacacaca cagacagaca cacacacaca caacaattaa 180
79 cagtcttcag gcaaaacgtc gaatcagcta ttactgcc aagggaaata tcatttattt 240
80 ttacattat taagaaaaaa agatttattt atttaagaca gtcccatcaa aactcctgtc 300
81 ttggaaatc cgaccactaa ttgccaagca ccgttcgtg tggctccacc tggatgttct 360
82 gtgcctgtaa acatagattc gctttccatg ttgttgccg gatcaccatc tgaagagcag 420
83 acggatggaa aaaggacctg atcattgggg aagctggctt tctggctgct ggaggctggg 480
84 gagaagggtg tcattcactt gcatttcttt gccctggggg ctgtgatatt aacagaggga 540
85 gggttcctgt ggggggaagt ccatgcctcc ctggcctgaa gaagagactc tttgcatatg 600
86 actcacatga tgcataacct gtgggaggaa aagagttggg aacttcagat ggacctagta 660
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90 <211> LENGTH: 688
91 <212> TYPE: DNA
92 <213> ORGANISM: Homo Sapiens
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96 aaggccccc aagtagttat ccttaaaaaa gccacagcat acatcctgtc cgtccaagca 120
97 gaggagcaaa agctcatttc tgaagaggac ttgttgccga aacgacgaga acagttgaaa 180
98 cacaacttg aacagctacg gaactcttgt gcgtaaggaa aagtaaggaa aacgattcct 240
99 tctgacagaa atgtcctgag caatcaccta tgaacttgtt tcaaatgcat gatcaaatgc 300
100 aacctcacia ccttggtgta gtcttgagac tgaaagattt agccataatg taaactgcct 360
101 caaattggac ttgggcata aaagaacttt ttatgctta ccactttttt ttttcttta 420
102 acagatttgt atttaagaat tgtttttaaa aaattttaag atttacacia tgtttctctg 480
103 taaatattgc cattaaatgt aaataacttt aataaaacgt ttatagcagt tacacagaat 540
104 ttcaatccta gtatatagta cctagtatta taggtactat aaaccctaatt tttttttatt 600
105 taagtacatt ttgcttttta aagttgattt ttttctattg tttttagaaa aaataaaaata 660
106 actggcaaat atatcattga gccatatg 688
108 <210> SEQ ID NO: 5

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/814,634

DATE: 04/08/2004

TIME: 10:04:11

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Output Set: N:\CRF4\04082004\J814634.raw

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113 <400> SEQUENCE: 5
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115 ttattacccc ctcttcaga caccctcaac ctcttctggc tcaaaaagag aattgggggc 120
116 ttagggctcg aaccaagct tagaacttta agcaacaaga ccaccacttc gaaacctggg 180
117 attcaggaat gtgtggcctg cacagtgaag tgctggcaac cactaagaat tcaaaactggg 240
118 gcctccagaa ctactggggg cctacagctt tgatccctga catctggaat ctggagacca 300
119 gggagccttt ggttctggcc agaatgctgc aggacttgag aagacctcac ctagaaattg 360
120 acacaagtgg accttaggcc ttctctctc cagatgttcc cagacttcct tgagacacgg 420
121 agcccagccc tccccatgga gccagctccc tctatttatg tttgcacttg tgattattta 480
122 ttatttattt attatttatt tatttacata tgaatgtatt tatttgggag accgggggat 540
123 cctgggggag ccaatgtagg agctgccttg gctcagacat gttttccgtg aaaacggagc 600
124 tgaacaatag gctgttccca tgcagcccc tggcctctgt gccttctttt gattatgttt 660
125 tttaaaatat ttatctgatt aagttgtcta aacaatgctg atttggtgac caactgtcac 720
126 tcattgctga gcctctgctc cccaggggag ttgtgtctgt aatcgcccta ctattcagtg 780
127 gcgagaaata aagtttgctt catatg 806
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130 <211> LENGTH: 613
131 <212> TYPE: DNA
132 <213> ORGANISM: Homo Sapiens
134 <400> SEQUENCE: 6
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136 gggctggcag aaagggaaca gaaagggttt tgagtacggc tatagcctgg actttcctgt 120
137 tgtctacacc aatgcccaac tgctgcctt agggtagtgc taagaggatc tctgtccat 180
138 cagccaggac agtcagctct ctctttcag ggccaatccc cagccctttt gttgagccag 240
139 gcctctctca cctctcctac tcacttaaac cccgcctgac agaaaccacg gccacatttg 300
140 gttctaagaa accctctgtc attcgctccc acattctgat gagcaaccgc ttccctattt 360
141 atttatttat ttgtttgttt gttttattca ttggtctaatt ttattcaaag ggggcaagaa 420
142 gtagcagtgt ctgtaaaaga gcctagtttt taatagctat ggaatcaatt caatttgga 480
143 tgggtgtgctc tctttaaatc aagtccttta attagactg aaaatatata agctcagatt 540
144 atttaaattg gaattttat aaatgagcaa atatcatact gttcaatggt tctgaaataa 600
145 acttcaccat atg 613
147 <210> SEQ ID NO: 7
148 <211> LENGTH: 1101
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150 <213> ORGANISM: Homo Sapiens
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154 aggggcactg cctggaagat tcaggagcct gggcggcctt cgcttactct cacctgcttc 120
155 tgagttgccc aggaggccac tggcagatgt cccggcgaag agaagagaca cattgttga 180
156 agaagcagcc catgacagct ccccttctct ggactcgccc tcctcctctt cctgctcccc 240
157 ttcttggggt gcagcctaaa aggacctatg tctcacacc attgaaacca ctagtctgt 300
158 cccccaggag gacctgggtg tgtgtgtgtg agtggttgac ctctctccat cccctggtcc 360
159 ttcccttccc ttcccaggag acagagagag agggcaggat ccacgtgccc attgtggag 420
160 cagagaaaag agaaagtgtt ttatatacgg tacttattta atatcccttt ttaattagaa 480
161 attaaaacag ttaatttaat taaagagtag ggtttttttt cagtattctt ggtaaatatt 540
162 taatttcaac tatattatgag atgtatcttt tgctctctct tgctctctta tttgtaccgg 600

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RAW SEQUENCE LISTING

DATE: 04/08/2004

PATENT APPLICATION: US/10/814,634

TIME: 10:04:11

Input Set : A:\SEQLIST FINAL.TXT

Output Set: N:\CRF4\04082004\J814634.raw

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163 tttttgtata taaaattcat gtttccaatc tctctctccc tgatcgggtga cagtcactag 660
164 cttatcttga acagatatatt aattttgcta acactcagct ctgccctccc cgatcccctg 720
165 gctccccagc acacattcct ttgaaataag gtttcaatat acatctacat actatatata 780
166 tatatttggc aacttgtatt tgtgtgtata tatatatata tatgtttatg tatatatgtg 840
167 attctgataa aatagacatt gctattctgt tttttatatg taaaaacaaa acaagaaaaa 900
168 atagagaatt ctacatacta aatctctctc cttttttaat tttaatatat gttatcattt 960
169 atttattggg gctactgttt atccgtaata attgtgggga aaagatatta acatcacgtc 1020
170 tttgtctcta gtgcagtttt tcgagatatt ccgtagtaca tttttatttt taaacaacga 1080
171 caaagaaata cagaacatat g                                     1101
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174 <211> LENGTH: 168
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176 <213> ORGANISM: Homo Sapiens
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180 tatatatata aaaataaata tctctatatt atatatataa aatatatata ttcttttttt 120
181 aaattaacag tgctaattgt attggtgtct tcaactggatg aacatatg          168
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184 <211> LENGTH: 33
185 <212> TYPE: DNA
186 <213> ORGANISM: Primer
188 <400> SEQUENCE: 9
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192 <211> LENGTH: 30
193 <212> TYPE: DNA
194 <213> ORGANISM: Primer
196 <400> SEQUENCE: 10
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200 <211> LENGTH: 29
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202 <213> ORGANISM: Primer
204 <400> SEQUENCE: 11
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208 <211> LENGTH: 28
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210 <213> ORGANISM: Primer
212 <400> SEQUENCE: 12
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216 <211> LENGTH: 28
217 <212> TYPE: DNA
218 <213> ORGANISM: Primer
220 <400> SEQUENCE: 13
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223 <210> SEQ ID NO: 14
224 <211> LENGTH: 28

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Invalid Response

Invalid Response

Invalid Response

Invalid Response

Invalid Response

mandatory

<213> Response

has to be either Artificial/Unknown OR Genus/Species

Please see item #10 on error summary sheet.

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Input Set : A:\SEQLIST FINAL.TXT

Output Set: N:\CRF4\04082004\J814634.raw

Same errors

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 226 <213> ORGANISM: Primer
 228 <400> SEQUENCE: 14
 229 ccatatggct caatgatata ttgcccag 28
 231 <210> SEQ ID NO: 15
 232 <211> LENGTH: 32
 233 <212> TYPE: DNA
 234 <213> ORGANISM: Primer
 236 <400> SEQUENCE: 15
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 239 <210> SEQ ID NO: 16
 240 <211> LENGTH: 28
 241 <212> TYPE: DNA
 242 <213> ORGANISM: Primer
 244 <400> SEQUENCE: 16
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 247 <210> SEQ ID NO: 17
 248 <211> LENGTH: 31
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 250 <213> ORGANISM: Primer
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 258 <213> ORGANISM: Primer
 260 <400> SEQUENCE: 18
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 263 <210> SEQ ID NO: 19
 264 <211> LENGTH: 30
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 266 <213> ORGANISM: Primer
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 271 <210> SEQ ID NO: 20
 272 <211> LENGTH: 32
 273 <212> TYPE: DNA
 274 <213> ORGANISM: Primer
 276 <400> SEQUENCE: 20
 277 aacatatggt ctgtatttct ttgtcgttgt tt 32
 279 <210> SEQ ID NO: 21
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 281 <212> TYPE: DNA
 282 <213> ORGANISM: Primer
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 287 <210> SEQ ID NO: 22
 288 <211> LENGTH: 33
 289 <212> TYPE: DNA

The type of errors shown exist throughout
 the Sequence Listing. Please check subsequent
 sequences for similar errors.

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/814,634

DATE: 04/08/2004

TIME: 10:04:12

Input Set : A:\SEQLIST FINAL.TXT

Output Set: N:\CRF4\04082004\J814634.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date